

4.2.B. 0801020802.

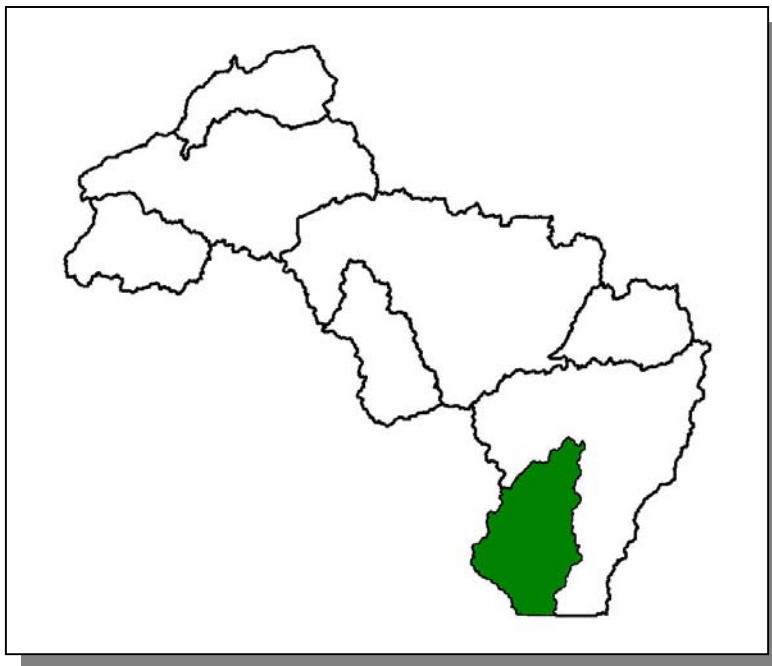


Figure 4-87. Location of Subwatershed 0801020802. All Hatchie River HUC-10 subwatershed boundaries in Tennessee are shown for reference.

4.2.B.i. 080102080201 (Upper Spring Creek).



Figure 4-88. Location of Subwatershed 080102080201. All Hatchie River HUC-12 subwatershed boundaries in Tennessee are shown for reference.

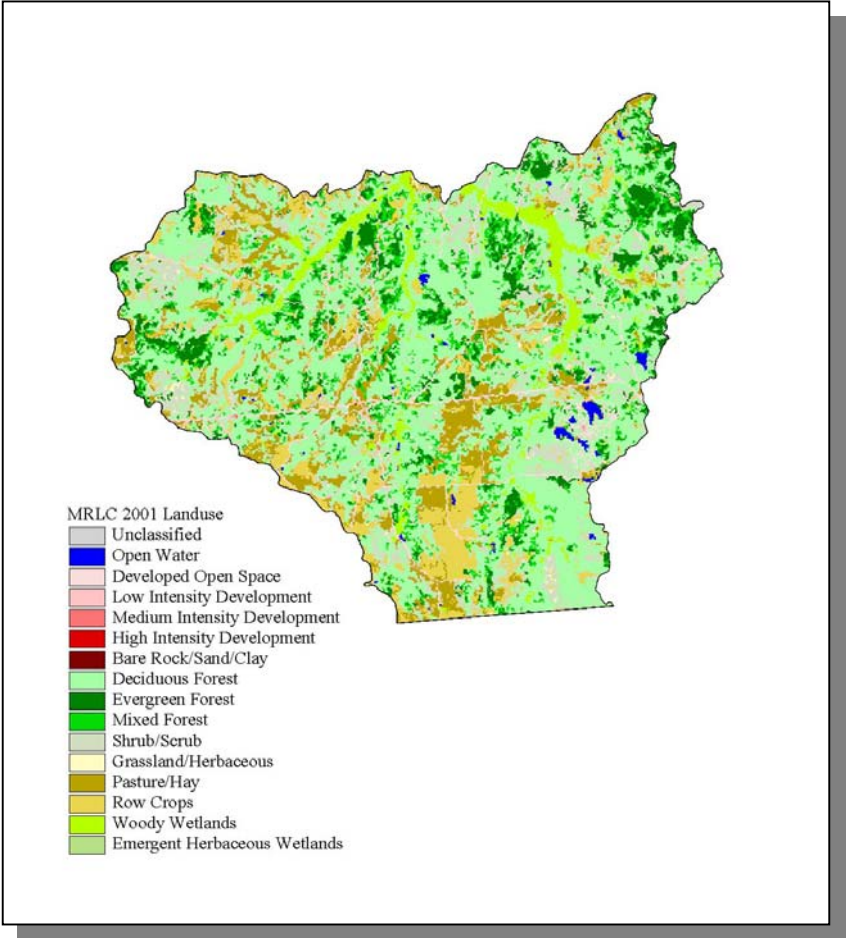


Figure 4-89. Illustration of Land Use Distribution in Subwatershed 080102080201.

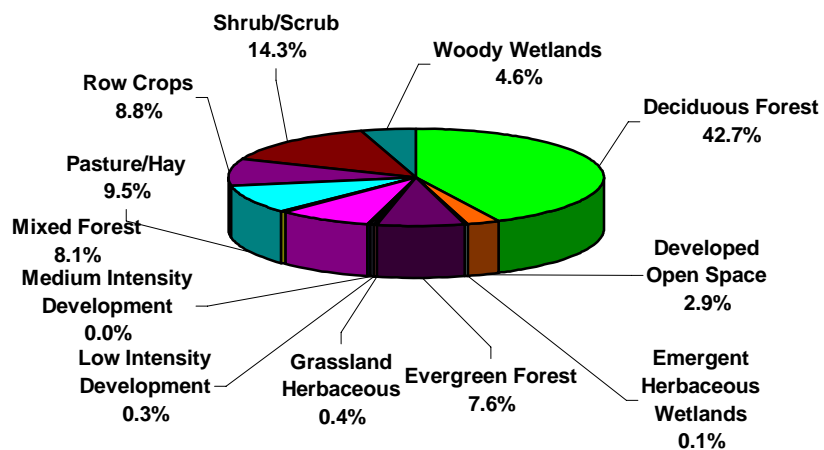


Figure 4-90. Land Use Distribution in Subwatershed 080102080201. More information is provided in Appendix IV.

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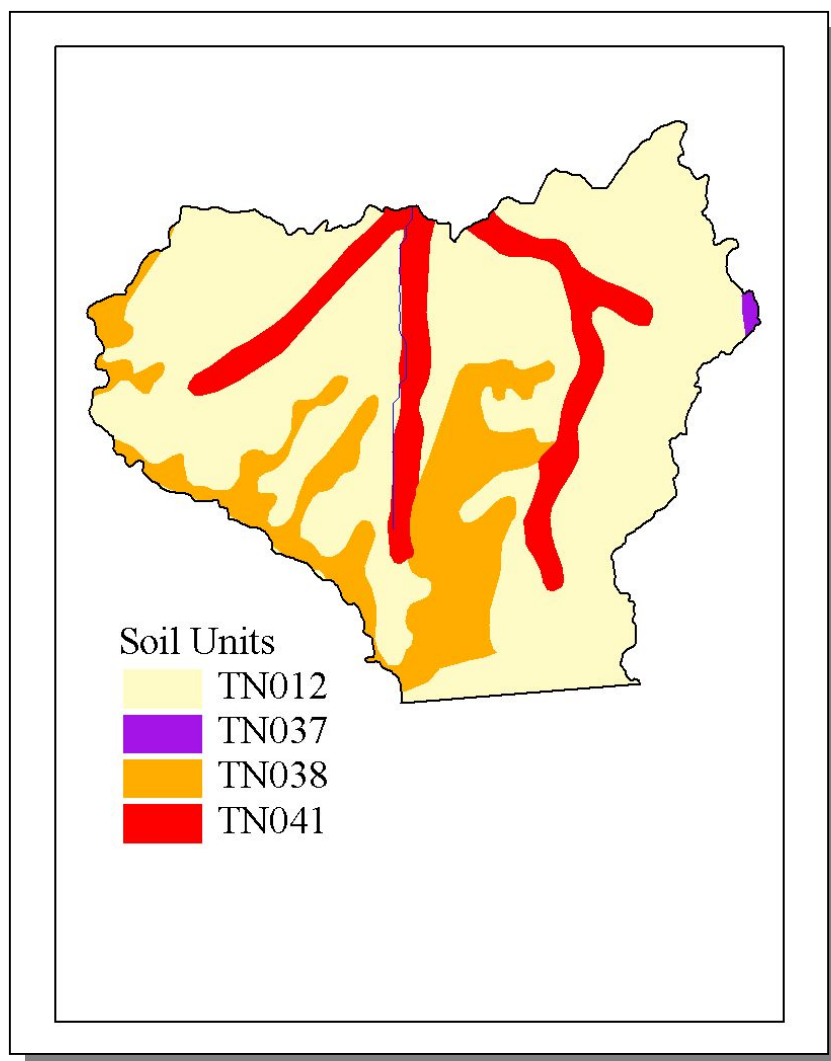


Figure 4-91. STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 080102080201.

STATSGO MAP UNIT ID	PERCENT HYDRIC	HYDROLOGIC GROUP	PERMEABILITY (in/hour)	SOIL pH	ESTIMATED SOIL TEXTURE	SOIL ERODIBILITY
TN012	1.00	C	2.52	5.13	Silty Loam	0.39
TN037	0.00	C	3.51	4.86	Sandy Loam	0.27
TN038	9.00	C	1.65	5.20	Silty Loam	0.46

Table 4-73. Soil Characteristics by STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 080102080201. The definition of "Hydrologic Group" is provided in Appendix IV.

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County	COUNTY POPULATION			Portion of Watershed (%)	ESTIMATED POPULATION IN WATERSHED			% Change (1990-2000)
	1990	1997	2000		1990	1997	2000	
Hardeman	23,377	24,702	28,105	9.11	2,130	2,250	2,560	20.2

Table 4-74. Population Estimates in Subwatershed 080102080201.

			NUMBER OF HOUSING UNITS			
Populated Place	County	Population	Total	Public Sewer	Septic Tank	Other
Saulsbury	Hardeman	133	75	6	62	7

Table 4-75. Housing and Sewage Disposal Practices of Select Communities in Subwatershed 080102080201.

4.2.B.i.a. Point Source Contributions.

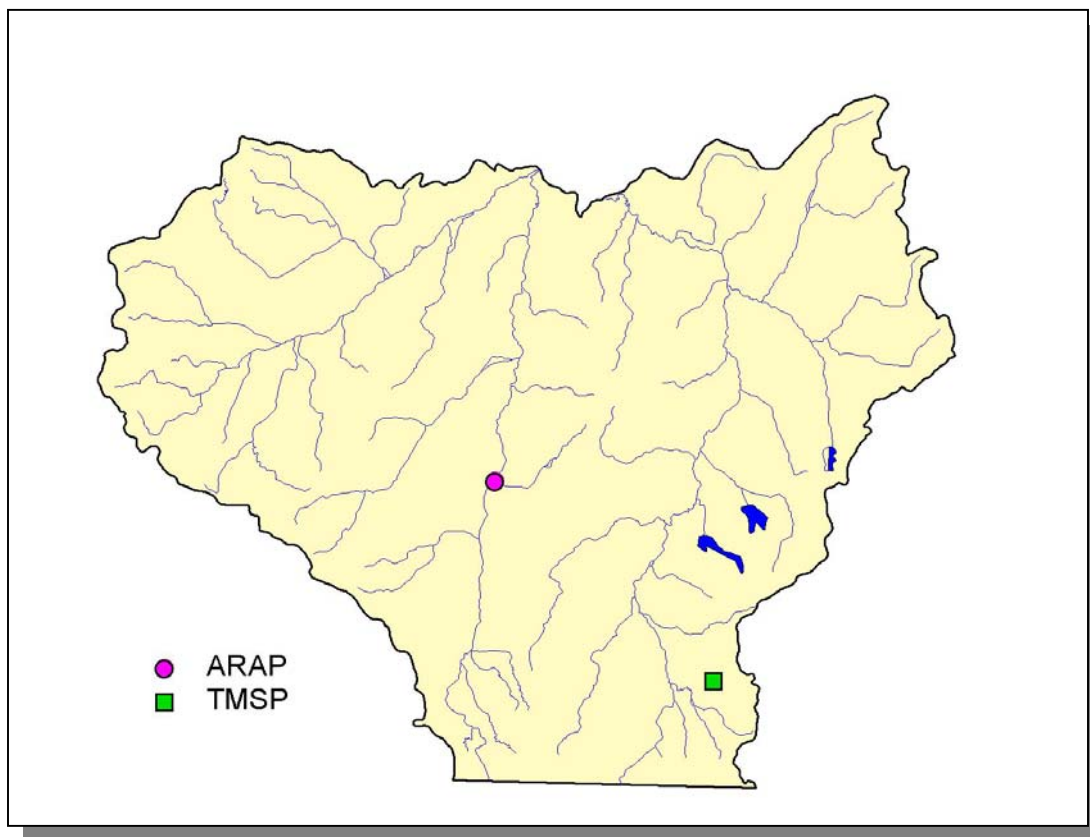


Figure 4-92. Location of Permits Issued in Subwatershed 080102080201. More information, including the names of facilities, is provided in Appendix IV.

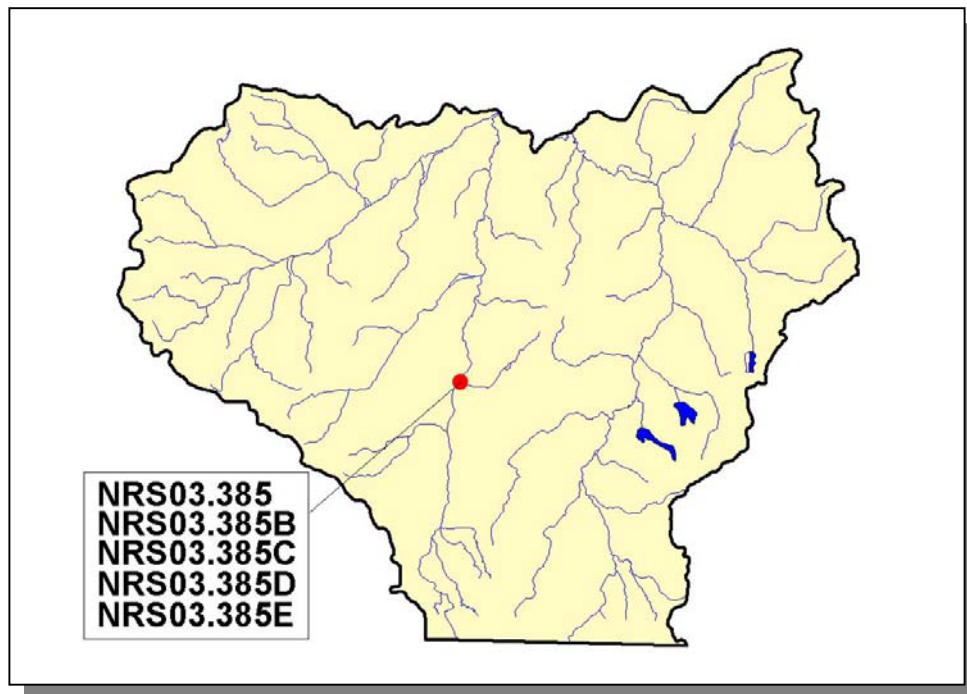


Figure 4-93. Location of Aquatic Resource Alteration Permit (ARAP) Sites (Individual Permits) in Subwatershed 080102080201. More information is provided in Appendix IV.

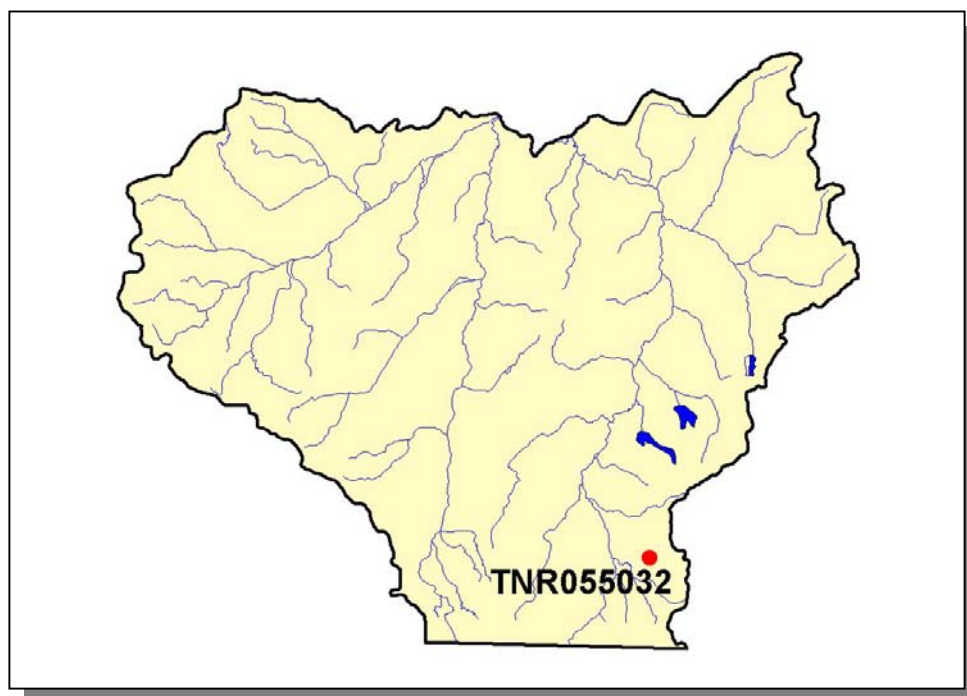


Figure 4-94. Location of TMSP Sites in Subwatershed 080102080201. More information, including the names of facilities, is provided in Appendix IV.

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4.2.B.i.b. Nonpoint Source Contributions.

LIVESTOCK COUNTS					
Beef Cow	Cattle	Milk Cow	Chickens (Layers)	Hogs	Sheep
574	987	<5	<5	309	9

Table 4-76. Summary of Livestock Count Estimates in Subwatershed 080102080201. According to the 1997 Census of Agriculture (<http://www.nass.usda.gov/census/>), "Cattle" includes heifers, heifer calves, steers, bulls and bull calves; "Chickens" are layers 20 weeks and older.

LIVESTOCK COUNTS						
County	Beef Cow	Cattle	Milk Cow	Chickens (Layers)	Hogs	Sheep
Benton	4,586	7,281	12	<5	47	0
Hardeman	9,184	15,877	62	28	5,221	144

Table 4-77. Summary of Livestock Count Estimates in Benton and Hardeman Counties. According to the 1997 Census of Agriculture (<http://www.nass.usda.gov/census/>), "Cattle" includes heifers, heifer calves, steers, bulls and bull calves; "Chickens" are layers 20 weeks and older.

County	INVENTORY		REMOVAL RATE	
	Forest Land (thousand acres)	Timber Land (thousand acres)	Growing Stock (million cubic feet)	Sawtimber (million board feet)
Benton	177.0	177.0	19.4	97.9
Hardeman	247.1	247.1	5.0	18.6

Table 4-78. Forest Acreage and Annual Removal Rates (1987-1994) in Benton and Hardeman Counties.

CROPS	TONS/ACRE/YEAR
Grass (Pastureland)	1.23
Grass (Hayland)	0.61
Grass, Forbs, Legumes (Mixed Pasture)	1.06
Corn (Row Crops)	11.24
Cotton (Row Crops)	25.48
Sorghum (Row Crops)	3.04
Soybeans (Row Crops)	12.99
Wheat (Close-Grown Cropland)	15.03
Summer Fallow (Other Cropland)	6.11
Other Cropland not Planted	4.23
Conservation Reserve Program Lands	0.39
Farmsteads and Ranch Headquarters	0.96

Table 4-79. Annual Estimated Total Soil Loss in Subwatershed 080102080201.

4.2.B.ii. 080102080202 (Lower Spring Creek).

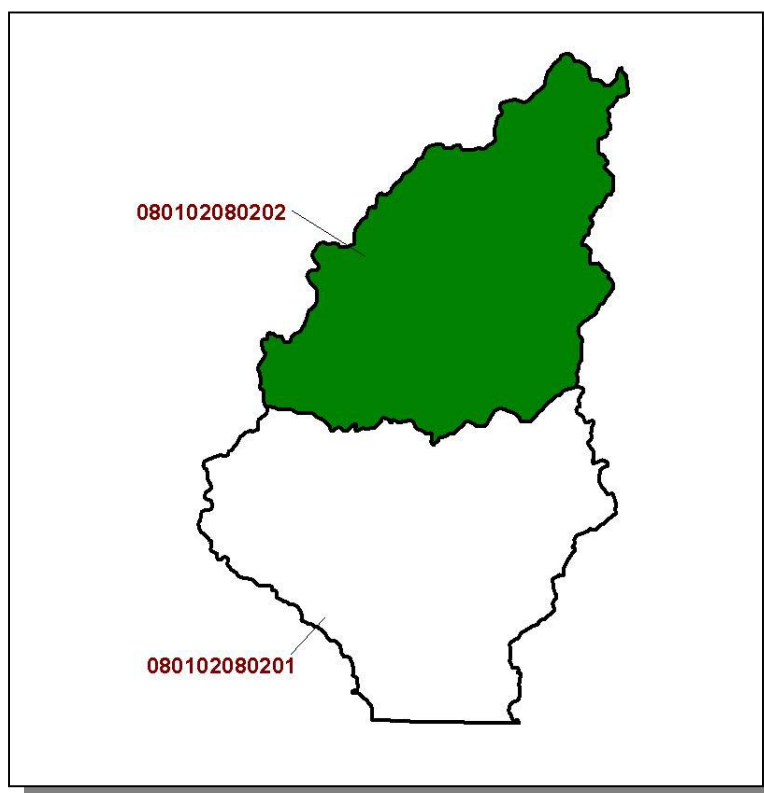


Figure 4-95. Location of Subwatershed 080102080202. All Hatchie River HUC-12 subwatershed boundaries in Tennessee are shown for reference.

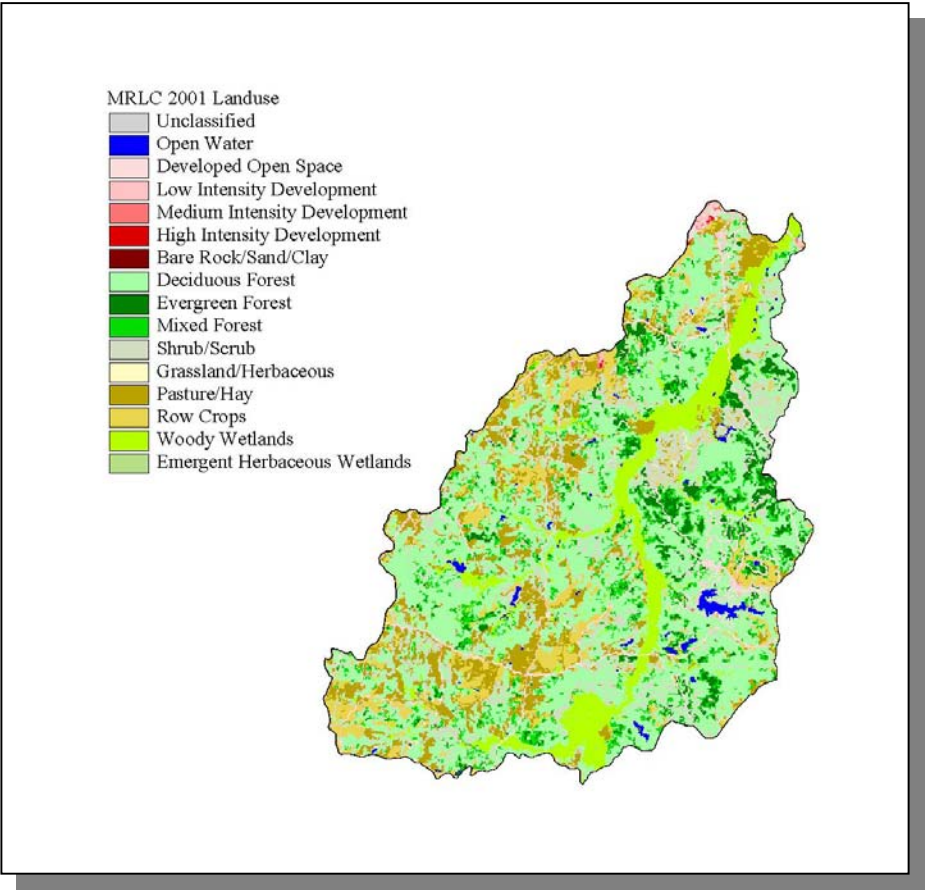


Figure 4-96. Illustration of Land Use Distribution in Subwatershed 080102080202.

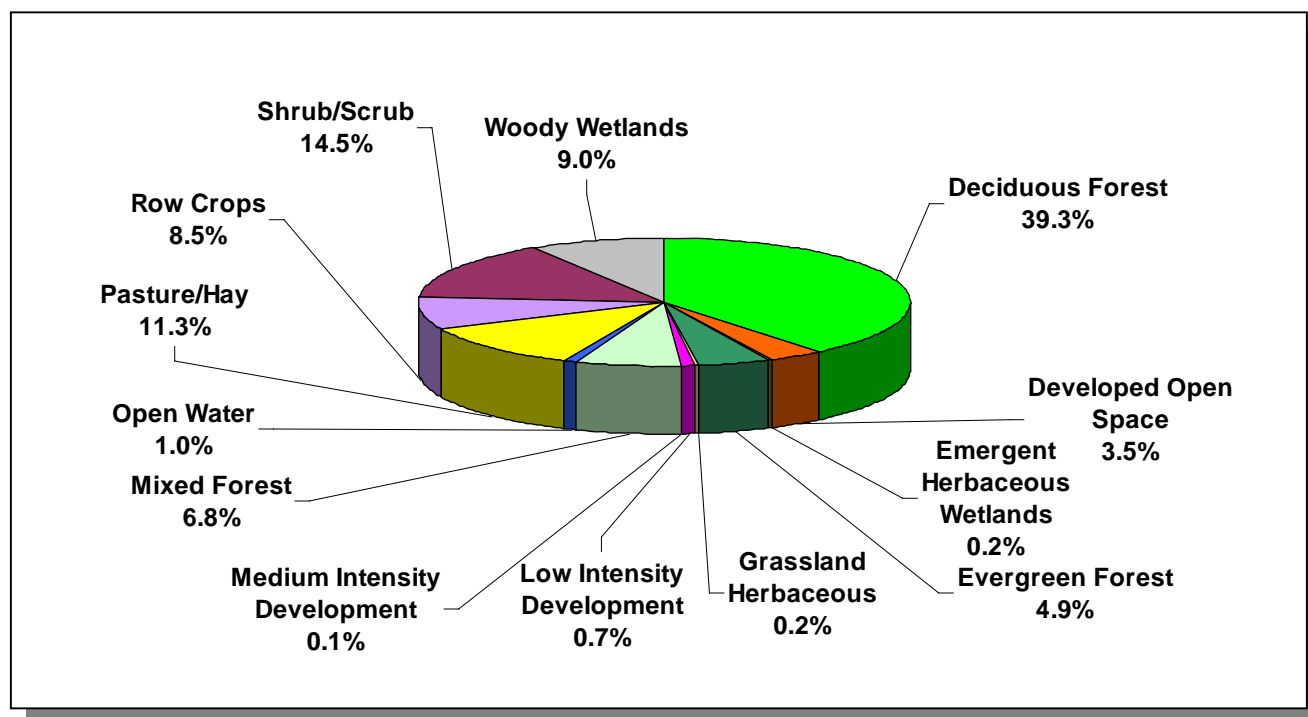


Figure 4-97. Land Use Distribution in Subwatershed 080102080202. More information is provided in Appendix IV.

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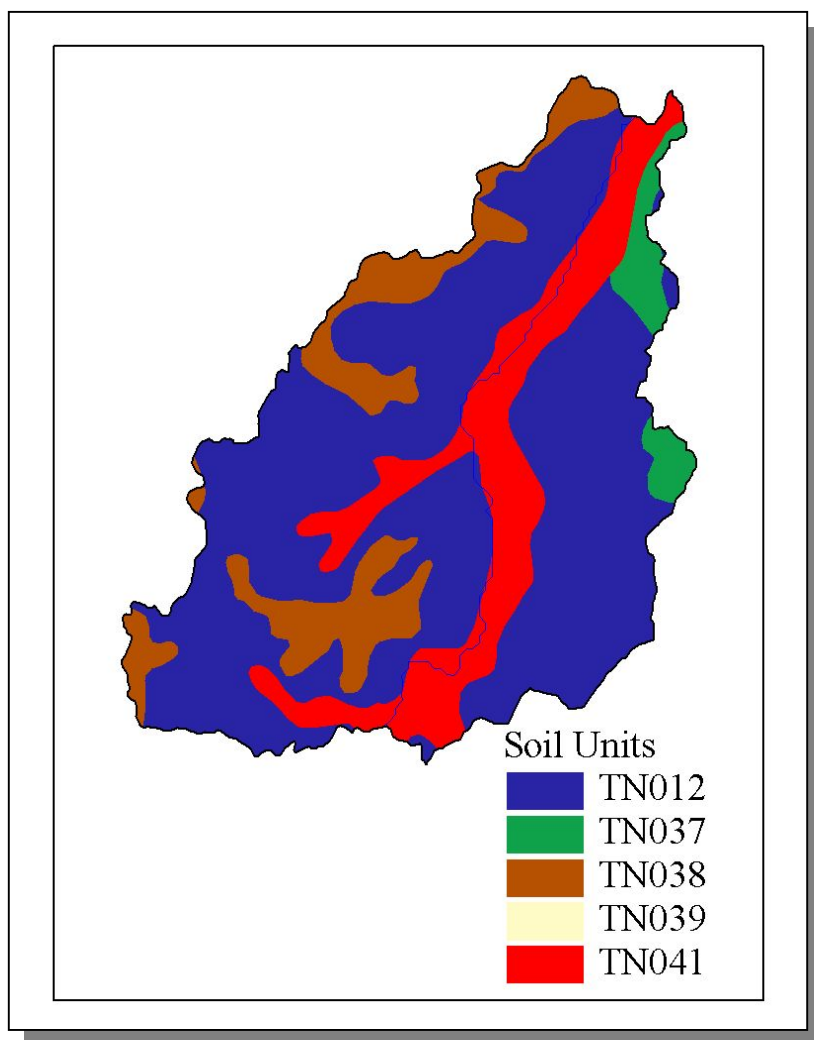


Figure 4-98. STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 080102080202.

STATSGO MAP UNIT ID	PERCENT HYDRIC	HYDROLOGIC GROUP	PERMEABILITY (in/hour)	SOIL pH	ESTIMATED SOIL TEXTURE	SOIL ERODIBILITY
TN012	1.00	C	2.52	5.13	Silty Loam	0.39
TN037	0.00	C	3.51	4.86	Sandy Loam	0.27
TN038	9.00	C	1.65	5.20	Silty Loam	0.46
TN039	24.00	C	1.35	5.20	Silty Loam	0.47
TN041	59.00	C	1.35	4.98	Silty Loam	0.34

Table 4-80. Soil Characteristics by STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 080102080202. The definition of "Hydrologic Group" is provided in Appendix IV.

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County	COUNTY POPULATION			Portion of Watershed (%)	ESTIMATED POPULATION IN WATERSHED			% Change (1990-2000)
	1990	1997	2000		1990	1997	2000	
Hardeman	23,377	24,702	28,105	8.58	2,005	2,118	2,410	20.2

Table 4-81. Population Estimates in Subwatershed 080102080202.

			NUMBER OF HOUSING UNITS			
Populated Place	County	Population	Total	Public Sewer	Septic Tank	Other
Bolivar	Nardeman	5,969	2,098	1,915	161	22

Table 4-82. Housing and Sewage Disposal Practices of Select Communities in Subwatershed 080102080202.



Figure 4-99. Location of Monitoring Sites in EPA's STORET Database in Subwatershed 080102080202. More information, including site names and locations, is provided in Appendix IV.

4.2.B.ii.a. Point Source Contributions.

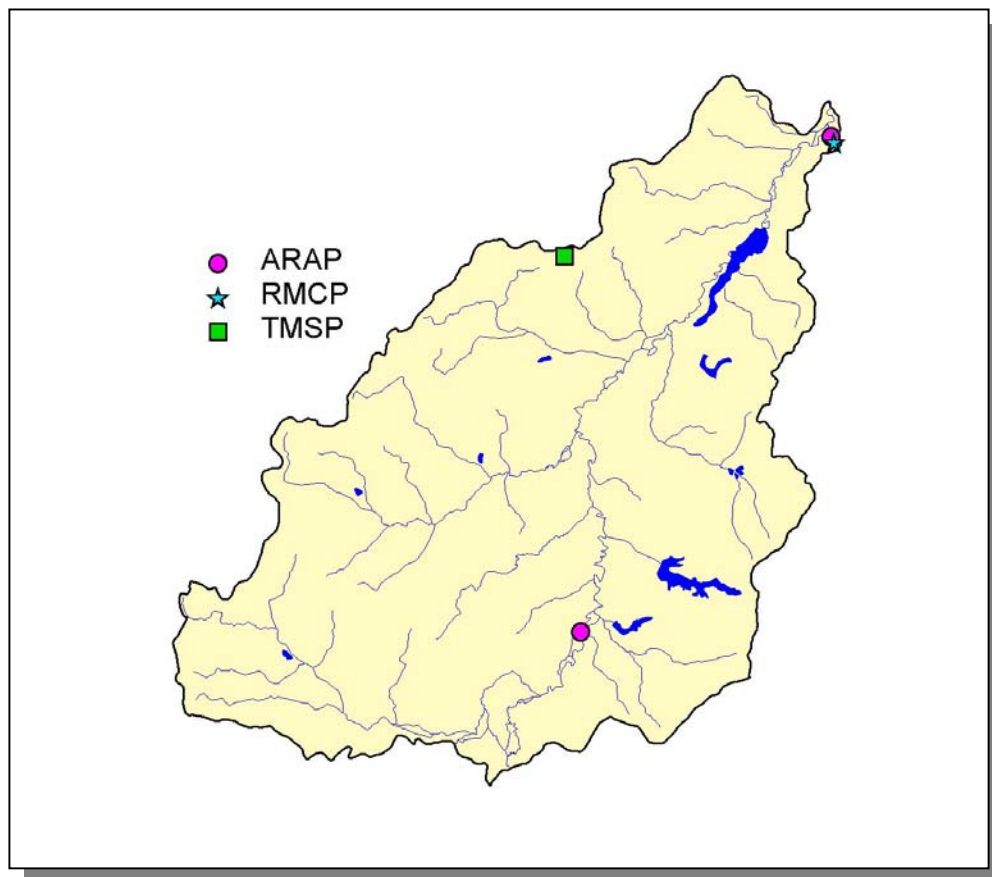


Figure 4-100. Location of Permits Issued in Subwatershed 080102080202. More information, including the names of facilities, is provided in Appendix IV.



Figure 4-101. Location of Ready Mix Concrete Plants (RMCP) in Subwatershed 080102080202. More information is provided in Appendix IV.

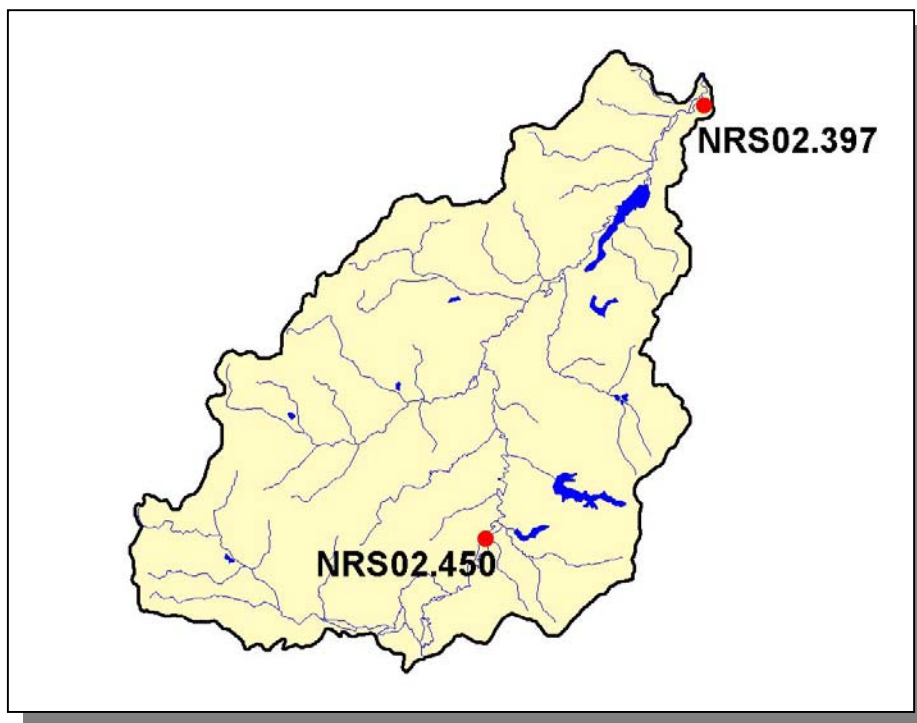


Figure 4-102. Location of Aquatic Resource Alteration Permit (ARAP) Sites (Individual Permits) in Subwatershed 080102080202. More information is provided in Appendix IV.

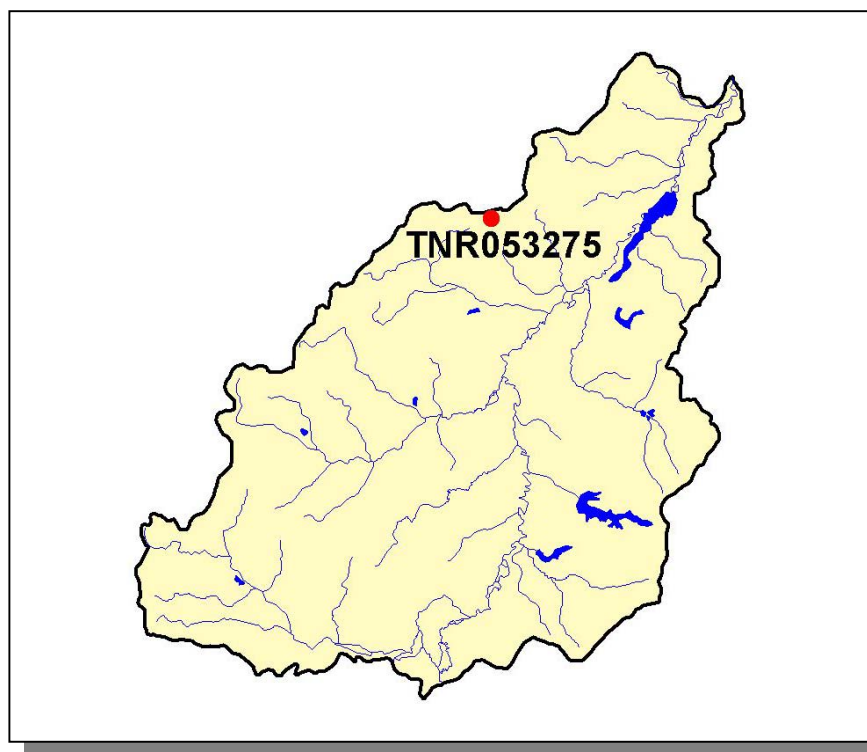


Figure 4-103. Location of TMSP Sites in Subwatershed 080102080202. More information, including the names of facilities, is provided in Appendix IV.

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4.2.B.ii.b. Nonpoint Source Contributions.

LIVESTOCK COUNTS					
Beef Cow	Cattle	Milk Cow	Chickens (Layers)	Hogs	Sheep
507	877	<5	<5	288	8

Table 4-83. Summary of Livestock Count Estimates in Subwatershed 080102080202. According to the 1997 Census of Agriculture (<http://www.nass.usda.gov/census/>), "Cattle" includes heifers, heifer calves, steers, bulls and bull calves; "Chickens" are layers 20 weeks and older.

LIVESTOCK COUNTS						
County	Beef Cow	Cattle	Milk Cow	Chickens (Layers)	Hogs	Sheep
Hardeman	9,184	15,877	62	28	5,221	144

Table 4-84. Summary of Livestock Count Estimates in Hardeman County. According to the 1997 Census of Agriculture (<http://www.nass.usda.gov/census/>), "Cattle" includes heifers, heifer calves, steers, bulls and bull calves; "Chickens" are layers 20 weeks and older.

County	INVENTORY		REMOVAL RATE	
	Forest Land (thousand acres)	Timber Land (thousand acres)	Growing Stock (million cubic feet)	Sawtimber (million board feet)
Hardeman	247.1	247.1	5.0	18.6

Table 4-85. Forest Acreage and Annual Removal Rates (1987-1994) in Hardeman County.

CROPS	TONS/ACRE/YEAR
Grass (Pastureland)	1.23
Grass (Hayland)	0.39
Grass, Forbs, Legumes (Mixed Pasture)	1.06
Corn (Row Crops)	11.41
Cotton (Row Crops)	25.79
Sorghum (Row Crops)	3.04
Soybeans (Row Crops)	12.89
Wheat (Close-Grown Cropland)	15.03
Summer Fallow (Other Cropland)	6.11
Other Cropland not Planted	4.23
Conservation Reserve Program Lands	0.27
Farmsteads and Ranch Headquarters	0.97

Table 4-86. Annual Estimated Total Soil Loss in Subwatershed 080102080202.